

RANA LED Recessed 1200
RANA LED R 1200 LO 4K LOUV+PRI DALI EMPRO W G2
0052431



Product features

- Ceiling Recessed LED Linear luminaire (lay-in), with Louvre + Prismatic Optic, Direct Light Distribution, Luminaire Dimensions: 1196x296x60mm, Sylvania White body colour, IP20, IK07, Light Engine Dimensions: 1130x65mm, DALI Dimmable, Low LED flicker (+/-5%), Emergency PRO 3 hours, Neutral White (4000K) LED Colour Temperature, 3100lm, 32W, 97lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse) LED Colour Consistency, UGR<19, Luminance at 65° < 3000 cd/m2, Lumen Maintenance: L90B10 at 50,000 hours, Glow Wire Test 850°C, Quick and easy electrical connection with direct access to push-connectors on top, 2 x metallic safety cables (1.5m) included, the luminaire can be covered with building insulation of Glass Wool type.



PRODUCT OVERVIEW

Product name	RANA LED R 1200 LO 4K LOUV+PRI DALI EMPRO W G2
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
General application	Education, Hospitality, Office, Retail
Warranty	5 years
Fixture luminous flux (lm)	3100
Luminous flux (lm)	3100
Luminaire efficacy (lm/W)	97
Colour temperature (K)	4000
Light colour	Neutral White
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 19
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	280
Total power consumption (W)	32
Electrical protection	Class I
Control gear type	Electronic ballast
Dimmable	Yes
Dimming method	DALI, Switch-dim (mains-rated)
Minimum dimming level (%)	1
Housing colour	White
IP rating	IP20
IK rating	IK07
Product EAN number	5410288524313

DATA TABLE

General data	
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Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
General application	Education, Hospitality, Office, Retail
Performance ambient temperature Tq (°C)	25
Warranty	5 years

Optical data

Fixture luminous flux (lm)	3100
Luminous flux (lm)	3100
Luminaire efficacy (lm/W)	97
Colour temperature (K)	4000
Light colour	Neutral White
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 19
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	280
Emergency duration (h)	3

Electrical data

Total power consumption (W)	32
Mains voltage (V)	220-240V
Lamp power factor	0.98
Electrical protection	Class I
Control gear required	No
Control gear type	Electronic ballast
Dimmable	Yes
Dimming method	DALI, Switch-dim (mains-rated)
Minimum dimming level (%)	1
Inrush Current (A)	29
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
Max. Luminaires per 10A C Breaker	21
Max. Luminaires per 13A C Breaker	28
Max. Luminaires per 10A B Breaker	13
Max. Luminaires per 16A B Breaker	22
Max. Luminaires per 20A B Breaker	27

Lifetime data

Lifespan L70 B50	50000
Lifespan L70 B10	50000
Lifespan L80 B50	50000
Lifespan L80 B10	50000
Lifespan L90 B50	50000
Lifespan L90 B10	50000

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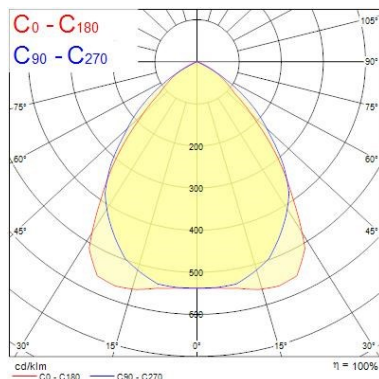
Physical data

Housing colour	White
IP rating	IP20
IK rating	IK07
Diffuser finish	Prismatic
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	1196
Nominal Product Width (mm)	296
Weight (kg)	6.2
Recessed Depth (mm)	120

Packaging

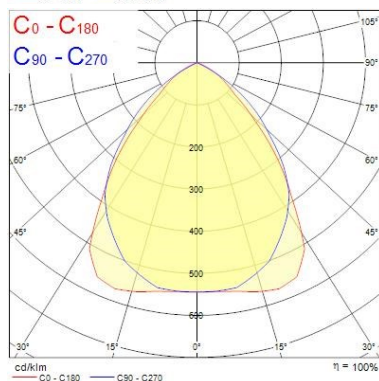
Single packaging type	Carton
Product EAN number	5410288524313
Packaging single length / height (cm)	124.5
Packaging single width (cm)	6.5
Packaging single depth (cm)	32.0
Units per outer package	1
Packaging outer width (cm)	6.5
Packaging outer depth (cm)	32.0

PHOTOMETRY



Distance [m]	Cone diameter [m]	E (°)	E (C90)	E (C0)
0.5	0.94 0.85	6683	43.2° 1299	42.7° 1536
1.0	1.88 1.72	1686	43.2° 325	42.7° 384
1.5	2.82 2.58	740	43.2° 144	42.7° 171
2.0	3.76 3.44	416	43.2° 81	42.7° 96
2.5	4.70 4.30	267	43.2° 52	42.7° 61
3.0	5.63 5.16	185	43.2° 38	42.7° 43

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 81.4°)
C90 - C270 (Half beam angle: 86.4°)



Distance [m]	Cone diameter [m]	E (°)	E (C90)	E (C0)
0.5	0.94 0.85	1200	43.1° 234	42.8° 278
1.0	1.87 1.71	300	43.1° 58	42.8° 69
1.5	2.81 2.56	133	43.1° 26	42.8° 31
2.0	3.74 3.42	75	43.1° 15	42.8° 17
2.5	4.68 4.27	48	43.1° 9	42.8° 11
3.0	5.61 5.12	33	43.1° 6	42.8° 8

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 81.0°)
C90 - C270 (Half beam angle: 86.2°)

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TECHNICAL DRAWINGS

